

ADAM BENALIA

EDUCATION

University of Ottawa, Ottawa, ON

Graduating Summer 2029

Bachelor of Applied Science Electrical Engineering (Co-op)

Vanier College, Ville St-Laurent, QC

Graduated in 2025

DEC in Computer Science and Mathematics

TECHNICAL SKILLS

Programming: Java, C++, Python, MATLAB

Electrical Engineering: Circuit Analysis and Design, Micro-controllers and Embedded Systems, Digital Logic

General Engineering: CAD, Part Design

Documentation: Report Writing, Excel, PowerPoint

EXPERIENCE

ARDENE, Laval, QC

IT Help Desk Technician 01/2025 to 10/2025

- Provided Tier 1 support directly to 250+ users, resolving 5+ tickets daily.

- Diagnosed and repaired desktops, laptops, monitors, and peripherals.

- Delivered rapid solutions while maintaining strong communication and professionalism.

ONE OF A KIND, Montreal, QC

IT Solutions Developer 05/2024 to 10/2024

- Engineered a Python solution leveraging Shopify API and Google Cloud eliminating 2+ hours of daily manual tasks

- Optimized office network performance, enhancing Wi-Fi reliability for all the users

SB ARCHITECTURE, Montreal, QC

Software Developer 12/2023 to 02/2024

- Developed an internal Python application using SQLAlchemy to automate marketing lead generation, enabling the team to reach prospects 30% faster.

- Designed a SQLite Database supporting 10,000+ records.

ARDENE, Montreal, QC

Logistic Data Entry Summer 2021-2023

- Entered and verified high volumes of shipping orders into Excel, processing 1000+ items daily

PROJECTS

Wave Generator and Oscilloscope, 06/2025 to Present

- Designing a waveform generation and oscilloscope using an ESP32 micro-controller programmed in C++

- Implementing real-time signal generation (sine, square, sawtooth) with live visualization on a mini OLED display.

Electric Circuit Design Tool, 01/2025 to 05/2025

- Collaborated in a 4-person team to develop an electric circuit design tool in Java with a JavaFX-based GUI.

- Implemented core logic and an interactive user interface for circuit visualization